Index of Claims

| App | licati | on/Co | ontro | No. |
|-----|--------|-------|-------|-----|
|     |        |       |       |     |

09/823,190

Examiner

El Hadji M. Sall

Applicant(s)/Patent under Reexamination

CIHULA, JOSEPH F.

Art Unit

2157

Rejected Allowed

(Through numeral) Cancelled

Restricted

| N | Non-Elected  |
|---|--------------|
| 1 | Interference |

| A. | Appeal   |  |
|----|----------|--|
| 0  | Objected |  |

| <del></del> |            |          |                                                  | _                  | Claim Date |                                                    |                                                  |              |                 |          |          |          | 1                                                |                 |          |          |          |               |          |        |     |                                                  |            |          |          |          |          |             |             |                    |          |   |
|-------------|------------|----------|--------------------------------------------------|--------------------|------------|----------------------------------------------------|--------------------------------------------------|--------------|-----------------|----------|----------|----------|--------------------------------------------------|-----------------|----------|----------|----------|---------------|----------|--------|-----|--------------------------------------------------|------------|----------|----------|----------|----------|-------------|-------------|--------------------|----------|---|
| Cla         | ım         | Date     |                                                  |                    |            |                                                    |                                                  | $\dashv$     | Cla             | aim      | Date     |          |                                                  |                 |          |          |          |               |          | CI     | aim | L.,                                              |            |          |          | ate      | •        | <del></del> | <del></del> | _                  |          |   |
| Final       | Original   | 10/20/06 |                                                  |                    |            |                                                    |                                                  |              |                 |          | Final    | Original |                                                  |                 |          |          |          |               |          |        |     | Final                                            | Original   |          |          |          |          |             |             |                    |          |   |
|             | 0          | ٧        | _                                                |                    |            |                                                    | <u> </u>                                         |              |                 |          |          | 51       |                                                  |                 |          |          |          |               |          |        |     |                                                  | 101        |          |          |          |          |             |             |                    |          |   |
|             | 2          |          |                                                  |                    |            |                                                    | L                                                |              |                 |          |          | 52       |                                                  |                 |          |          |          |               |          |        |     |                                                  | 102        |          |          |          |          |             |             |                    |          |   |
|             | 3          | Ш        |                                                  | Ш                  |            |                                                    | L                                                |              |                 |          |          | 53.      |                                                  |                 |          |          |          |               |          |        |     |                                                  | 103        |          |          |          |          |             |             |                    | $\Box$   |   |
|             | 4          | Щ        | _                                                | Ш                  |            |                                                    |                                                  | <u> </u>     |                 |          |          | 54       | L                                                |                 |          |          |          |               | _        |        | 1   |                                                  | 104        |          |          | $\perp$  |          |             |             |                    |          |   |
|             | 5          | Ш        |                                                  |                    |            |                                                    |                                                  | L            |                 |          |          | 55       |                                                  |                 | _        | _        |          |               |          |        | ]   |                                                  | 105        | Ш        |          |          |          |             |             |                    | $\perp$  |   |
|             | 6          | Щ        | L                                                |                    |            | <u> </u>                                           |                                                  |              |                 |          |          | 56       |                                                  |                 | _        | 1        | $\perp$  | $\perp$       | $\perp$  |        |     |                                                  | 106        | $\Box$   |          |          | _        |             |             | $\perp$            | $ \bot $ |   |
|             | 7          | Ш        |                                                  |                    |            |                                                    |                                                  |              |                 |          |          | 57       |                                                  |                 |          |          |          |               |          |        |     |                                                  | 107        |          |          |          |          |             |             | $\perp \downarrow$ | $ \bot $ | _ |
|             | 8          | Ш        | _                                                | Ш                  |            | L                                                  | _                                                | _            |                 | _        |          | 58       |                                                  |                 | _        |          | _        |               | _        |        |     |                                                  | 108        |          |          | _        |          |             |             | _                  | _        |   |
|             | 9          | Ш        |                                                  |                    |            | L                                                  | L.                                               |              |                 | _        |          | 59       |                                                  |                 | _        | _        | _        |               | _        |        | ]   |                                                  | 109        |          |          | $\perp$  |          |             |             | _                  | _        |   |
|             | 10         | Ш        |                                                  |                    | _          | _                                                  | <u> </u>                                         | <u> </u>     |                 | _        |          | 60       |                                                  | Щ               |          |          | _        |               | 4        |        |     |                                                  | 110        |          |          | $\perp$  |          |             |             | _                  | _        |   |
|             | 11         | Ш        | _                                                | Ш                  |            | <b> </b> _                                         | <u> </u>                                         | <u> </u>     |                 |          |          | 61       |                                                  |                 | _        | _        | _        | _             | _        |        |     |                                                  | 111        |          | $\perp$  | _        |          | _           |             |                    | _        |   |
|             | 1 <u>2</u> | Ш        | _                                                |                    |            | L                                                  | L.                                               | <u> </u>     |                 | _        |          | 62       |                                                  |                 |          |          | _        | _             | _        |        |     | <u> </u>                                         | 112        |          | $\perp$  | 4        | _        | _           | _           |                    | _        |   |
|             |            | Ш        | <u> </u>                                         |                    | _          |                                                    |                                                  | Ш            |                 | _        |          | 63       |                                                  |                 | _        | _        | _        | $\perp$       | _        | _      |     | ļ                                                | 113        |          |          | _        |          |             |             | _                  |          |   |
|             | 14         | Ш        | <u> </u>                                         |                    |            | ļ                                                  | ļ                                                |              |                 | _        |          | 64       |                                                  |                 | _        | _        | 4        | $\perp$       | 4        | 1      | 1   |                                                  | 114        |          |          | _        |          |             |             | $\dashv$           | _        |   |
|             | 15         | Щ        |                                                  | $\square$          | <u> </u>   | <u> </u>                                           | Ĺ                                                | L            | Ш               | _        |          | 65       |                                                  |                 | _        | _        | _        | $\dashv$      | 4        | _      | 1   |                                                  | 115        |          | $\perp$  | -        | _        | _           | _           | _                  | _        | _ |
|             | 16         | Ш        |                                                  |                    |            | <u> </u>                                           | _                                                | <u> </u>     | Ш               | _        |          | 66       |                                                  |                 | _        | _        | 4        | 4             | 4        |        |     |                                                  | 116        |          | _        | 4        | _        | _           | _           | $\dashv$           | _        |   |
|             | 17         | Ш        | <u> </u>                                         | _                  |            | _                                                  |                                                  |              |                 | _        |          | 67       |                                                  |                 | _        |          | _        | $\perp$       | $\dashv$ |        |     |                                                  | 117        |          |          | 4        |          |             |             | $\dashv$           |          |   |
|             | 18         | Ш        | _                                                | Ш                  |            |                                                    |                                                  | <u> </u>     |                 | 4        | <u> </u> | 68       |                                                  |                 | _        |          | _        | $\dashv$      | _        |        |     |                                                  | 118        |          |          |          | _        |             | _           | _                  | $\dashv$ |   |
|             | 19         | Ш        | <u> </u>                                         |                    | <u> </u>   | ļ                                                  | <u> </u>                                         | <u> </u>     | Ш               | _        |          | 69       |                                                  |                 | _        |          |          | _             | -        |        | -   | <u> </u>                                         | 119        | $\Box$   | -        | -        | _        | $\dashv$    | _           | $\dashv$           | $\dashv$ |   |
|             | 20         | Ш        | <u> </u>                                         | _                  | _          | _                                                  | <u> </u>                                         | <u> </u>     | Ш               | _        |          | 70       | _                                                |                 | _        | _        | _        | 4             | 4        |        | 1   |                                                  | 120        | Ш        | _        |          |          | _           | .           | $\dashv$           | $\dashv$ |   |
|             | 21         | Щ        | <u> </u>                                         |                    |            | <u> </u>                                           | L                                                | <u> </u>     |                 | _        | <u> </u> | 71       | _                                                |                 | _        |          | 4        | $\dashv$      | 4        |        | 1   |                                                  | 121        |          | _        | 4        |          |             |             | _                  | $\dashv$ |   |
|             | 22         | Ш        | _                                                | Ш                  | _          | _                                                  | <u> </u>                                         | <u> </u>     | Ш               |          | <u> </u> | 72       | <u> </u>                                         |                 | _        | _        | 4        | +             | $\dashv$ | _      | -   |                                                  | 122        |          |          | _        | $\dashv$ | _           | _           | $\dashv$           | -        | _ |
|             | 23         | -        | <u> </u>                                         |                    | _          | <u> </u>                                           | <u> </u>                                         | <u> </u>     | Ш               | _        | <u> </u> | 73       | <u> </u>                                         |                 | -        | _        | 4        | $\rightarrow$ | $\dashv$ | _      | 1   |                                                  | 123        |          |          | _        | $\dashv$ | _           | _           | _                  |          |   |
|             | 24<br>25   | Н        |                                                  |                    |            |                                                    | <del> </del>                                     | <u> </u>     |                 | _        |          | 74       | <u></u>                                          |                 | _        |          | _        | $\dashv$      | $\dashv$ |        | -   |                                                  | 124        |          |          | _        |          |             |             | _                  | $\dashv$ |   |
|             | 182V       | H        | <u> </u>                                         | _                  | _          | ⊢                                                  | <u> </u>                                         | <u> </u>     | Н               | _        | <u> </u> | 75       | <u> </u>                                         |                 | -        | •        | $\dashv$ | +             | $\dashv$ | _      | Į   |                                                  | 125        |          |          | -        | $\dashv$ | -           | $\dashv$    | $\dashv$           | $\dashv$ |   |
|             | 26         | H        | <b>.</b>                                         |                    | <u> </u>   | <del> </del>                                       | ├                                                | ├            | Ш               | _        | <u> </u> | 76       | $\vdash$                                         |                 | $\dashv$ | _        | $\dashv$ | +             | $\dashv$ | _      | ┨   |                                                  | 126        | $\Box$   |          | _        | $\dashv$ | $\dashv$    | $\dashv$    | $\dashv$           | -        |   |
|             | 27         | H        | 1                                                |                    | <u> </u>   | -                                                  | -                                                | <del> </del> | $\vdash$        |          |          | 77       | _                                                |                 |          |          | _        | +             | $\dashv$ |        | -   |                                                  | 127        |          |          | -        |          | -           |             | -                  | $\dashv$ |   |
|             | 28         | ₩        |                                                  | -                  | _          | ├—                                                 |                                                  |              | Н               |          | -        | 78<br>79 | _                                                | $\vdash$        | $\dashv$ | -        | $\dashv$ | +             | +        | -      | -   | <u> </u>                                         | 128        | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$    | $\dashv$    | $\dashv$           | $\dashv$ |   |
|             | 29         | 1        | -                                                | -                  | —          | ├—                                                 | -                                                | -            | Н               |          |          |          | $\vdash$                                         | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | +             | $\dashv$ | +      | 1   | <u> </u>                                         | 129<br>130 | Н        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$    | $\dashv$    | $\dashv$           | $\dashv$ |   |
|             | 30<br>31   | Ľ        | -                                                | Н                  | _          | -                                                  | ├                                                | -            |                 |          |          | 80<br>81 | ┝                                                | $\dashv$        | $\dashv$ | -        | $\dashv$ | +             | $\dashv$ | +      | ┨   | <u> </u>                                         | 131        | Н        | -        | $\dashv$ | $\dashv$ | -           | $\dashv$    | $\dashv$           | -        |   |
|             | 32         | -        | ⊢                                                | Н                  |            | ⊢                                                  | ├                                                |              | -               |          |          | 82       |                                                  |                 |          | -        |          | -             | -        |        | 1   |                                                  | 132        | -        |          | -+       |          | -           | -           | $\dashv$           | $\dashv$ | _ |
|             | 33         | $\vdash$ | ⊢                                                | Н                  | _          | ┝                                                  |                                                  |              | Н               |          |          | 83       |                                                  |                 |          |          |          | +             | $\dashv$ | +      | 1   |                                                  | 133        |          |          | -        |          |             |             | $\dashv$           | $\dashv$ |   |
|             | 34         | $\vdash$ | ⊢                                                | Н                  |            | ┢                                                  | ┢╌                                               | ├            | -               |          |          | 84       |                                                  | $\dashv$        |          |          | -+       | -+            | +        | -      | ┨   |                                                  | 134        |          | -+       | -        |          | $\dashv$    |             | $\dashv$           | $\dashv$ |   |
|             | 35         |          | ┝                                                | Н                  | —          | ┢╌                                                 | -                                                | ┢            | Н               | $\dashv$ | -        | 85       | H                                                |                 | -        | _        | +        | $\dashv$      | $\dashv$ | +      | ┨   | <del></del>                                      | 135        | -        |          | $\dashv$ | -        | $\dashv$    | $\dashv$    | $\dashv$           | $\dashv$ | _ |
|             | 36         | _        | -                                                | Н                  | _          | ├                                                  | ├                                                | ╁            | Н               | $\dashv$ |          | 86       | $\vdash$                                         | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | +             | +        |        | ┨   | <u> </u>                                         | 136        | $\vdash$ | +        | $\dashv$ | -        | $\dashv$    | $\dashv$    | $\dashv$           | $\dashv$ |   |
|             | 37         | -        | $\vdash$                                         | $\vdash$           | -          | <del>  -</del>                                     | ┼─                                               | $\vdash$     | $\vdash$        | $\dashv$ |          | 87       | <del>                                     </del> | $\vdash$        |          |          | +        | +             | +        | +      | 1   | $\vdash$                                         | 137        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$    | -           | $\dashv$           | $\dashv$ |   |
|             | 38         | -        | <del> </del>                                     | $\vdash$           | —          | $\vdash$                                           | <del>                                     </del> | 1            | H               | $\dashv$ | -        | 88       | $\vdash$                                         | $\dashv$        | -        | $\dashv$ | -+       | +             | +        | +      | 1   | <del> </del>                                     | 138        | $\vdash$ | +        | $\dashv$ | $\dashv$ | -           | $\dashv$    | $\dashv$           | $\dashv$ | — |
|             | 39         | -        | ╁                                                | $\vdash$           |            | <del> </del>                                       | ├─                                               | $\vdash$     | $\vdash$        | $\dashv$ |          | 89       |                                                  | $\vdash \vdash$ | $\dashv$ | -        | $\dashv$ | +             | $\dashv$ | +      | 1   | <u> </u>                                         | 139        |          | +        | $\dashv$ | $\dashv$ |             | $\dashv$    | $\dashv$           | $\dashv$ |   |
|             | 40         |          | $\vdash$                                         | Н                  |            | ┢╌                                                 | <del> </del>                                     | H            | $\vdash$        | $\dashv$ | -        | 90       |                                                  |                 | -        | -        | +        | -+            | $\dashv$ |        | 1   | $\vdash$                                         | 140        | $\vdash$ | +        | $\dashv$ | +        |             | $\dashv$    | $\dashv$           | $\dashv$ |   |
|             | 41         |          | <del>                                     </del> | $\vdash \vdash$    |            | -                                                  | -                                                |              | $\vdash$        | $\dashv$ | -        | 91       | $\vdash$                                         | $\vdash$        |          | -        | -+       | +             | +        |        | 1   | <del> </del>                                     | 141        | -        | +        | $\dashv$ | -        |             |             | $\dashv$           | $\dashv$ |   |
|             | 42         | -        | $\vdash$                                         | $\vdash$           |            | <del>  -                                    </del> | <del> </del>                                     | -            | $\vdash \vdash$ | $\dashv$ |          | 92       | -                                                | $\vdash \vdash$ | -        | $\dashv$ | $\dashv$ | -+            | $\dashv$ |        | 1   | <u> </u>                                         | 142        |          | $\dashv$ | -        | -        | $\dashv$    | $\dashv$    | $\dashv$           | $\dashv$ | _ |
|             | 43         | -        | _                                                | $\vdash$           | H          | $\vdash$                                           | $\vdash$                                         | Н            | $\vdash$        | $\dashv$ | 1        | 93       | $\vdash$                                         | ┥               | -        |          |          | +             | +        | +      | 1   | <del> </del>                                     | 143        | $\vdash$ | $\dashv$ | $\dashv$ | ┪        | $\dashv$    | $\dashv$    | $\dashv$           | $\dashv$ | _ |
|             | 44         | -        | $\vdash$                                         | $\vdash \dashv$    | -          | <del>  -</del>                                     | H                                                | $\vdash$     | $\vdash$        | $\dashv$ | 1        | 94       | $\vdash$                                         | $\vdash$        | +        | +        | $\dashv$ | +             | $\dashv$ | +      | 1   | $\vdash$                                         | 144        | -        | $\dashv$ | $\dashv$ | +        | +           | -           | $\dashv$           | -+       | _ |
|             | 45         | -        | $\vdash$                                         | $\mid \dashv \mid$ |            | <del>                                     </del>   | $\vdash$                                         | -            | $\vdash$        | $\dashv$ | -        | 95       | -                                                | $\vdash \vdash$ | -        | $\dashv$ | $\dashv$ | $\dashv$      | -+       | +-     | 1   | $\vdash$                                         | 145        |          | _        | $\dashv$ | ᅥ        | $\dashv$    | -           | $\dashv$           | $\dashv$ | _ |
|             | 46         | H        | $\vdash$                                         | ┝╌┤                |            | $\vdash$                                           | -                                                | -            | $\vdash \vdash$ | $\dashv$ | -        | 96       | Н                                                | ┥               | $\dashv$ |          | -+       | +             | $\dashv$ | _      | 1   | <del>                                     </del> | 146        | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$    |             | $\dashv$           | $\dashv$ | _ |
|             | 47         | <u> </u> | $\vdash$                                         | $\vdash$           |            |                                                    | $\vdash$                                         |              | $\vdash$        | $\dashv$ | $\vdash$ | 97       | H                                                | $\vdash$        | $\dashv$ | $\dashv$ | +        | . +           | $\dashv$ | _      | 1   | <del>                                     </del> | 147        | -        | +        | $\dashv$ | $\dashv$ | $\dashv$    |             | $\dashv$           | $\dashv$ |   |
|             | 48         | $\vdash$ | $\vdash$                                         | H                  |            |                                                    | $\vdash$                                         | Н            | $\vdash$        | $\dashv$ | <u> </u> | 98       |                                                  | $\vdash$        | -        | $\dashv$ | $\dashv$ | +             | $\dashv$ | +-     | 1   | $\vdash$                                         | 148        | $\vdash$ | $\dashv$ | $\dashv$ | -+       |             | -           | $\dashv$           | $\dashv$ |   |
|             | 49         |          | $\vdash$                                         | H                  |            | -                                                  | H                                                | -            | H               | $\dashv$ | -        | 99       |                                                  | $\vdash$        | -        | $\dashv$ | $\dashv$ | +             | $\dashv$ | +      | 1   | <u> </u>                                         | 149        |          | +        | +        | $\dashv$ | $\dashv$    | -           | $\dashv$           | $\dashv$ | _ |
|             | 50         |          | <del>                                     </del> | $\vdash$           | _          |                                                    | _                                                | $\vdash$     | $\vdash \vdash$ | $\dashv$ | -        | 100      |                                                  |                 | -        | $\dashv$ | _        | +             | $\dashv$ | $\top$ | 1   | <u> </u>                                         | 150        | $\vdash$ | +        | $\dashv$ | ᅥ        | 一           | $\dashv$    | ᅱ                  | $\dashv$ |   |
|             |            |          |                                                  |                    |            |                                                    |                                                  |              |                 |          |          |          |                                                  |                 |          |          |          |               |          |        |     |                                                  |            |          |          |          |          |             |             |                    |          |   |